

COMPUTER MEMORY CARDS USING FLASH EEPROM INTEGRATED
CIRCUIT CHIPS AND MEMORY-CONTROLLER SYSTEMS

Abstract of the Disclosure

5 A very small computer memory card is densely
packed with a large number of flash EEPROM integrated
circuit chips. A computer memory system provides for
the ability to removably connect one or more of such
cards with a common controller circuit that interfaces
10 between the memory cards and a standard computer system
bus. Alternately, each card can be provided with the
necessary controller circuitry and thus is connectable
directly to the computer system bus. An electronic
system is described for a memory system and its
15 controller within a single memory card. In a preferred
physical arrangement, the cards utilize a main circuit
board with a plurality of sub-boards attached thereto on
both sides, each sub-board carrying several integrated
circuit chips.